

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): ): A process for producing a vacuum ultraviolet ray-excited light-emitting phosphor comprising the steps of  
  
mixing a an aluminate phosphor compound with a coupling agent comprising an aluminum compound, and calcining the mixture, wherein the coupling agent contains a 1, 3-diketone structure.

2. (canceled).

3. (currently amended): The process for producing a vacuum ultraviolet ray-excited light-emitting phosphor according to Claim ~~2~~1, wherein the aluminate phosphor compound is  $\text{BaMgAl}_{10}\text{O}_{17}:\text{Eu}$  or  $\text{BaAl}_{12}\text{O}_{19}:\text{Mn}$ , ~~the silicate phosphor compound is  $\text{Zn}_2\text{SiO}_4:\text{Mn}$ , or the rare earth metal oxide phosphor compound is  $(\text{Y}, \text{Gd})\text{BO}_3:\text{Eu}$ ,  $\text{Y}_2\text{O}_3:\text{Eu}$ .~~

4. (currently amended): The process for producing a vacuum ultraviolet ray-excited light-emitting phosphor according to Claim 1 or 3, wherein the content of the coupling agent is from 0.01 to 40 parts by weight based on 100 parts by weight of the phosphor.

5. (canceled).
6. (withdrawn): A phosphor paste comprising a phosphor and an aluminum-based coupling agent.
7. (withdrawn): The phosphor paste according to Claim 6, wherein the phosphor is an aluminate-based phosphor, silicate-based phosphor or rare earth metal oxide-based phosphor.
8. (withdrawn): The phosphor paste according to Claim 7, wherein the aluminate-based phosphor is  $\text{BaMgAl}_{10}\text{O}_{17}:\text{Eu}$  or  $\text{BaAl}_{12}\text{O}_{19}:\text{Mn}$ , the silicate-based phosphor is  $\text{Zn}_2\text{SiO}_4:\text{Mn}$ , or the rare earth metal oxide-based phosphor is  $(\text{Y}, \text{Gd})\text{BO}_3:\text{Eu}$ ,  $\text{Y}_2\text{O}_3:\text{Eu}$ .
9. (withdrawn): The phosphor paste according to any of Claims 6, wherein the content of the aluminum-based coupling agent is from 0.01 to 20% parts by weight.
10. (withdrawn): The phosphor paste according to Claim 6, wherein the aluminum-based coupling agent contains a 1, 3-diketone structure.
11. (withdrawn): A plasma display panel containing a vacuum ultraviolet ray-excited light-emitting phosphor obtained by the process according to Claim 1.

12. (withdrawn): A plasma display panel obtained by applying the phosphor paste according to Claim 6.

13. (withdrawn): A rare gas lamp containing a vacuum ultraviolet ray-excited light-emitting phosphor obtained by the process according to Claim 1.

14. (withdrawn): A rare gas lamp obtained by applying the phosphor paste according to Claim 6.

15. (new): A process for producing a vacuum ultraviolet ray-excited light-emitting phosphor comprising the steps of  
mixing an aluminate phosphor compound with a coupling agent comprising an aluminum compound, and calcining the mixture.